

19-7802



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D5550-1

Job Sheet 203230



Part No: D5550-1

Job Qty: 4 pcs

Part Name: Fwd Outboard Beam



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/13/19

Job Tracking No:

Due Date: 12/12/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG D5550 REV.A SHEETS 3,5 IPP REV:A 17.09.05 NEW ISSUE DD VERF:DP

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off         |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|------------------|
|       |                     |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                  |
| 105   | Waterjet - Flow - 1 | 4 pcs |            | 12/12/19 | 0.17      | 4.93    | Waterjet - Flow       |           |                  |
|       |                     |       |            |          |           |         | Waterjet - Omax       |           | DEC 19 / 11 / 30 |
| 110   | QC 2                | 4 pcs |            | 12/12/19 | 0.00      | 0.00    | QC 2 - 1              |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 12             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 14             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 17             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 19             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 2              |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 20             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 22             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 23             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 25             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 32             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 33             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 35             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 39             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 4              |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 40             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 44             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 45             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 48             |           | DEC 19 / 11 / 30 |
|       |                     |       |            |          |           |         | QC 2 - 49             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 50             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 51             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 52             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 57             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 62             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 63             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 8              |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 66             |           |                  |
|       |                     |       |            |          |           |         | QC 2 - 64             |           |                  |

Plex 11/13/19 11:12 AM Dart.lajeunesse.marie

|                       |       |          |           |                |  |
|-----------------------|-------|----------|-----------|----------------|--|
|                       |       |          |           | QC 2 - 65      |  |
|                       |       |          |           | QC 2 - 5       |  |
|                       |       |          |           | QC 2 - 71      |  |
|                       |       |          |           | QC 2 - 73      |  |
|                       |       |          |           | QC 2 - 69      |  |
| 120 HAAS 4 Axis - B4B | 4 pcs | 12/12/19 | 1.00 9.85 | HAAS - 1 - B4B |  |
|                       |       |          |           | HAAS - 2 - B4B |  |
|                       |       |          |           | HAAS - 3 - B4B |  |
|                       |       |          |           | HAAS - 4 - B4B |  |
| 130 QC 2              | 4 pcs | 12/12/19 | 0.00 0.00 | QC 2 - 1       |  |
|                       |       |          |           | QC 2 - 12      |  |
|                       |       |          |           | QC 2 - 14      |  |
|                       |       |          |           | QC 2 - 17      |  |
|                       |       |          |           | QC 2 - 19      |  |
|                       |       |          |           | QC 2 - 2       |  |
|                       |       |          |           | QC 2 - 20      |  |
|                       |       |          |           | QC 2 - 22      |  |
|                       |       |          |           | QC 2 - 23      |  |
|                       |       |          |           | QC 2 - 25      |  |
|                       |       |          |           | QC 2 - 32      |  |
|                       |       |          |           | QC 2 - 33      |  |
|                       |       |          |           | QC 2 - 35      |  |
|                       |       |          |           | QC 2 - 39      |  |
|                       |       |          |           | QC 2 - 4       |  |
|                       |       |          |           | QC 2 - 40      |  |
|                       |       |          |           | QC 2 - 44      |  |
|                       |       |          |           | QC 2 - 45      |  |
|                       |       |          |           | QC 2 - 48      |  |
|                       |       |          |           | QC 2 - 49      |  |
|                       |       |          |           | QC 2 - 50      |  |
|                       |       |          |           | QC 2 - 51      |  |
|                       |       |          |           | QC 2 - 52      |  |
|                       |       |          |           | QC 2 - 57      |  |
|                       |       |          |           | QC 2 - 62      |  |
|                       |       |          |           | QC 2 - 63      |  |
|                       |       |          |           | QC 2 - 8       |  |
|                       |       |          |           | QC 2 - 66      |  |
|                       |       |          |           | QC 2 - 64      |  |
|                       |       |          |           | QC 2 - 65      |  |
|                       |       |          |           | QC 2 - 5       |  |
|                       |       |          |           | QC 2 - 71      |  |
|                       |       |          |           | QC 2 - 73      |  |
|                       |       |          |           | QC 2 - 69      |  |
| 140 QC 8              | 4 pcs | 12/12/19 | 0.00 0.00 | QC 8 - 12      |  |
|                       |       |          |           | QC 8 - 14      |  |
|                       |       |          |           | QC 8 - 17      |  |
|                       |       |          |           | QC 8 - 20      |  |
|                       |       |          |           | QC 8 - 25      |  |
|                       |       |          |           | QC 8 - 3       |  |
|                       |       |          |           | QC 8 - 32      |  |
|                       |       |          |           | QC 8 - 33      |  |
|                       |       |          |           | QC 8 - 35      |  |
|                       |       |          |           | QC 8 - 39      |  |
|                       |       |          |           | QC 8 - 4       |  |
|                       |       |          |           | QC 8 - 44      |  |
|                       |       |          |           | QC 8 - 45      |  |
|                       |       |          |           | QC 8 - 49      |  |
|                       |       |          |           | QC 8 - 58      |  |
|                       |       |          |           | QC 8 - 8       |  |

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|     |                               |          |          |           |                           |             |
|-----|-------------------------------|----------|----------|-----------|---------------------------|-------------|
|     |                               |          |          |           | QC 8 - 9                  |             |
|     |                               |          |          |           | QC 8 - 68                 |             |
|     |                               |          |          |           | QC 8 - 67                 |             |
|     |                               |          |          |           | QC 8 - 1 (A)              |             |
|     |                               |          |          |           | QC 8 - 47                 |             |
|     |                               |          |          |           | QC 8 - 40                 |             |
|     |                               |          |          |           | QC 8 - 52                 |             |
|     |                               |          |          |           | QC 8 - 23                 |             |
|     |                               |          |          |           | QC 8 - 57                 |             |
|     |                               |          |          |           | QC 8 - 76                 |             |
|     |                               |          |          |           | QC 8 - 61                 |             |
| 150 | Handfinish - 1-1 Chemical-B4B | 4<br>pcs | 12/12/19 | 0.00 0.98 | Handfinish - 1 - 1 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 2 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 3 - B4B  | DEC 18 2019 |
|     |                               |          |          |           | Handfinish - 1 - 4 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 5 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 6 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 7 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 8 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 9 - B4B  |             |
|     |                               |          |          |           | Handfinish - 1 - 10 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 11 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 12 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 13 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 14 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 15 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 16 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 17 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 18 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 19 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 20 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 21 - B4B |             |
|     |                               |          |          |           | Handfinish - 1 - 22 - B4B |             |
| 160 | QC 7                          | 4<br>pcs | 12/12/19 | 0.00 0.00 | QC 7 - 10                 |             |
|     |                               |          |          |           | QC 7 - 13                 |             |
|     |                               |          |          |           | QC 7 - 14                 |             |
|     |                               |          |          |           | QC 7 - 15                 |             |
|     |                               |          |          |           | QC 7 - 17                 |             |
|     |                               |          |          |           | QC 7 - 18                 |             |
|     |                               |          |          |           | QC 7 - 19                 |             |
|     |                               |          |          |           | QC 7 - 2                  |             |

|     |                                    |          |          |           |                       |              |
|-----|------------------------------------|----------|----------|-----------|-----------------------|--------------|
|     |                                    |          |          |           | QC 7 - 28             |              |
|     |                                    |          |          |           | QC 7 - 3              |              |
|     |                                    |          |          |           | QC 7 - 30             |              |
|     |                                    |          |          |           | QC 7 - 34             | BL 19-12-18. |
|     |                                    |          |          |           | QC 7 - 36             |              |
|     |                                    |          |          |           | QC 7 - 37             |              |
|     |                                    |          |          |           | QC 7 - 41             |              |
|     |                                    |          |          |           | QC 7 - 47             |              |
|     |                                    |          |          |           | QC 7 - 48             |              |
|     |                                    |          |          |           | QC 7 - 51             |              |
|     |                                    |          |          |           | QC 7 - 58             |              |
|     |                                    |          |          |           | QC 7 - 59             |              |
|     |                                    |          |          |           | QC 7 - 60             |              |
|     |                                    |          |          |           | QC 7 - 9              |              |
|     |                                    |          |          |           | QC 7 - 68             |              |
|     |                                    |          |          |           | QC 7 - 50             |              |
|     |                                    |          |          |           | QC 7 - 67             |              |
|     |                                    |          |          |           | QC 7 - 40             |              |
|     |                                    |          |          |           | QC 7 - 24             |              |
|     |                                    |          |          |           | QC 7 - 43             |              |
|     |                                    |          |          |           | QC 7 - 61             |              |
|     |                                    |          |          |           | QC 7 - 81             |              |
|     |                                    |          |          |           | QC 7 - 76             |              |
|     |                                    |          |          |           | QC 7 - 79             |              |
| 170 | Powdercoat - 1 White Gl(A)-<br>B4B | 4<br>pcs | 12/12/19 | 0.00 0.34 | Powdercoat - 1 - B4B  |              |
|     |                                    |          |          |           | Powdercoat - 2 - B4B  |              |
|     |                                    |          |          |           | Powdercoat - 3 - B4B  | BL 19-12-18. |
|     |                                    |          |          |           | Powdercoat - 4 - B4B  |              |
| 180 | QC 3                               | 4<br>pcs | 12/12/19 | 0.00 0.00 | QC 3 - 10             |              |
|     |                                    |          |          |           | QC 3 - 13             |              |
|     |                                    |          |          |           | QC 3 - 15             |              |
|     |                                    |          |          |           | QC 3 - 17             |              |
|     |                                    |          |          |           | QC 3 - 18             |              |
|     |                                    |          |          |           | QC 3 - 2              |              |
|     |                                    |          |          |           | QC 3 - 28             |              |
|     |                                    |          |          |           | QC 3 - 3              |              |
|     |                                    |          |          |           | QC 3 - 30             |              |
|     |                                    |          |          |           | QC 3 - 34             |              |
|     |                                    |          |          |           | QC 3 - 36             |              |
|     |                                    |          |          |           | QC 3 - 41             |              |
|     |                                    |          |          |           | QC 3 - 51             |              |
|     |                                    |          |          |           | QC 3 - 58             |              |
|     |                                    |          |          |           | QC 3 - 59             |              |
|     |                                    |          |          |           | QC 3 - 68             |              |
|     |                                    |          |          |           | QC 3 - 9              |              |
|     |                                    |          |          |           | QC 3 - 40             |              |
|     |                                    |          |          |           | QC 3 - 19             |              |
|     |                                    |          |          |           | QC 3 - 43             |              |
|     |                                    |          |          |           | QC 3 - 24             |              |
|     |                                    |          |          |           | QC 3 - 61             |              |
|     |                                    |          |          |           | QC 3 - 81             |              |
| 190 | Packaging 3-1 - Stock - B4B        | 4<br>pcs | 12/12/19 | 0.00 0.00 | Packaging 3 - 1 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 2 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 3 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 4 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 5 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 6 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 7 - B4B |              |
|     |                                    |          |          |           | Packaging 3 - 8 - B4B |              |

DEC 27 2019

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|                |          |          |           |  |                        |      |
|----------------|----------|----------|-----------|--|------------------------|------|
|                |          |          |           |  | Packaging 3 - 9 - B4B  |      |
|                |          |          |           |  | Packaging 3 - 10 - B4B |      |
|                |          |          |           |  | Packaging 3 - 11 - B4B |      |
|                |          |          |           |  | Packaging 3 - 12 - B4B |      |
|                |          |          |           |  | Packaging 3 - 13 - B4B |      |
|                |          |          |           |  | Packaging 3 - 14 - B4B |      |
|                |          |          |           |  | Packaging 3 - 15 - B4B |      |
|                |          |          |           |  | Packaging 3 - 16 - B4B |      |
|                |          |          |           |  | Packaging 3 - 17 - B4B |      |
|                |          |          |           |  | Packaging 3 - 18 - B4B |      |
|                |          |          |           |  | Packaging 3 - 19 - B4B |      |
|                |          |          |           |  | Packaging 3 - 20 - B4B |      |
|                |          |          |           |  | Packaging 3 - 21 - B4B |      |
|                |          |          |           |  | Packaging 3 - 22 - B4B |      |
|                |          |          |           |  | Packaging 3 - 23 - B4B |      |
|                |          |          |           |  | Packaging 3 - 24 - B4B |      |
|                |          |          |           |  | Packaging 3 - 25 - B4B |      |
|                |          |          |           |  | Packaging 3 - 26 - B4B |      |
|                |          |          |           |  | Packaging 3 - 27 - B4B |      |
|                |          |          |           |  | Packaging 3 - 28 - B4B |      |
|                |          |          |           |  | Packaging 3 - 29 - B4B |      |
|                |          |          |           |  | Packaging 3 - 30 - B4B |      |
|                |          |          |           |  | Packaging 3 - 31 - B4B |      |
|                |          |          |           |  | Packaging 3 - 32 - B4B |      |
|                |          |          |           |  | Packaging 3 - 33 - B4B |      |
|                |          |          |           |  | Packaging 3 - 34 - B4B |      |
|                |          |          |           |  | Packaging 3 - 35 - B4B |      |
|                |          |          |           |  | Packaging 3 - 36 - B4B |      |
| 200 QC 21 - SA | 4<br>pcs | 12/12/19 | 0.00 0.00 |  | QC 21 - SA - 21        | DAS  |
|                |          |          |           |  | QC 21 - SA - 70        | 21   |
|                |          |          |           |  | QC 21 - SA - 53        | 2.50 |

DEC 31 2019

Part Op 105 - \*\*\*GRAIN DIRECTION\*\*\* 1-Cut contour and pocket as per Dwg Dwg Rev: A Prog Rev: A 2-Debur if  
 Descriptions: necessary

110 - (QC2- Inspect parts off machine FAI/FAIB)

120 - (HAAS CNC Vertical Machine), Face and Drills holes as per dwg Dwg Rev: A

130 - (QC2- Inspect parts off machine FAI/FAIB)

140 - (QC8- Inspect parts - second check)

150 - (Chemical Conversion Coat per QSI005 4.1)

160 - (QC7-Inspect Chemical Conversion Coat)

170 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum), \*\*\*Mask holes or blow out access powdercoat in holes\*\*\* START TIME: \_\_\_\_\_ OVEN TEMPERATURE: \_\_\_\_\_ FINISH TIME: \_\_\_\_\_

180 - (QC3- Inspect Part Finish)

190 - (Identify as per dwg &amp; Stock Location: \_\_\_\_\_)

200 - (QC21- Final Inspection - Work Order Release)

## Job BOM

| Part / Item          | Component Name           | Quantity            | Operation               | Container |
|----------------------|--------------------------|---------------------|-------------------------|-----------|
| M6061T6B1.000X12.000 | 6061-T6 Bar 1.00 X 12.00 | 8.6400 ft (2.16 ea) | 105-Waterjet - Flow - 1 | 5188587   |

## Job Allocations

| Operation               | Component Part       | Required | Inventory | Allocated |
|-------------------------|----------------------|----------|-----------|-----------|
| 105-Waterjet - Flow - 1 | M6061T6B1.000X12.000 | 9        | 12        | 0         |

## Part Specifications

Specifications could not be found.

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|                                       |               |                             |
|---------------------------------------|---------------|-----------------------------|
| <b>DART AEROSPACE LTD</b>             |               | <b>Work Order:</b> 203230   |
| <b>Description:</b> Fwd outboard beam |               | <b>Part Number:</b> D5550-1 |
| <b>Inspection Dwg:</b> D5550          | <b>Rev:</b> A | <b>Page 1 of 1</b>          |

### INSPECTION SHEET

| Drawing Dimension | Tolerance    | Actual Dimension | Accept | Reject | Method of Inspection | Comments  |
|-------------------|--------------|------------------|--------|--------|----------------------|-----------|
| 1.25              | +0.00/-0.12  | 1.249            | ✓      |        |                      |           |
| 1.43              | +/-0.030     | 1.437            | ✓      |        |                      |           |
| 2.00              | +/-0.030     | 1.991            | ✓      |        |                      |           |
| 1.00              | +/-0.030     | 0.986            | ✓      |        |                      |           |
| 1.93              | +/-0.030     | 1.941            | ✓      |        |                      |           |
| 3.50              | +/-0.030     | 3.520            | ✓      |        |                      |           |
| 6.72              | +/-0.030     | 6.723            | ✓      |        |                      |           |
| 2.00              | +/-0.030     | 2.005            | ✓      |        |                      |           |
| <hr/>             |              |                  |        |        |                      |           |
| CNC               |              |                  |        |        |                      |           |
| 0.60              | +/-0.030     | 0.605            | ✓      |        | Vernier              | B17321453 |
| 2.300             | +/-0.10      | 2.301            | ✓      |        |                      |           |
| 3.600             | +/-0.10      | 3.597            | ✓      |        |                      |           |
| 1.800             | +/-0.10      | 1.798            | ✓      |        |                      |           |
| 0.63              | +/-0.030     | 0.624            | ✓      |        | Vernier              | B17321453 |
| 0.377 Ø           | +0.03/-0.001 | 0.378 Ø          | ✓      |        | phgauge              | ret.      |
| 0.191 Ø           | +0.03/-0.001 | 0.192 Ø          | ✓      |        | phgauge              | "         |
| 1.75              | +/-0.030     | 1.758            | ✓      |        | Vernier              | B17321453 |
| 2.300             | +/-0.10      | 2.299            | ✓      |        | Vernier              | "         |
| 1.150             | +/-0.10      | 1.150            | ✓      |        | high gauge           | 31006     |
| 0.60              | +/-0.030     | 0.608            | ✓      |        | Vernier              | B17321453 |
| 0.75              | +/-0.030     | 0.750            | ✓      |        | Vernier              | "         |
| 3.750             | +/-0.10      | 3.746            | ✓      |        | Vernier              | "         |

|                                 |                                |                      |
|---------------------------------|--------------------------------|----------------------|
| <b>Measured by:</b> [Signature] | <b>Checked by:</b> [Signature] | <b>QC Inspector:</b> |
| <b>Date:</b> 19/11/30           | <b>Date:</b> 19-12-17          | <b>Date:</b>         |

|                                                |              |
|------------------------------------------------|--------------|
| <b>Engineering Approval:</b><br>(If necessary) | <b>Date:</b> |
|------------------------------------------------|--------------|

| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| A   | 14.07.31 | New Issue | KJ         |          |

(189)

(096)

1.653

Entered:

Date:

Dec 31/19

2019/12/13

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

19-7802

Route update only



|                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Job: 203230<br>Part No. <del>7</del> D5550-1                                                                                                                                                                                                                                                                                                                                            |                 | DISPOSITION<br>Rework <input type="checkbox"/><br>Scrap <input checked="" type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                             |  | DEPARTMENT/PROCESS<br>Skid-tube Machining <input checked="" type="checkbox"/> Large Fab <input type="checkbox"/><br>Cross tube Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/><br>Eng. (Non-AW) Prod. Eng. Coord. Rec/Store/Packaging                                                    |  | Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/>                                                                                                                                                    |  |
| Date: 2019/12/13                                                                                                                                                                                                                                                                                                                                                                        | Sequence #: 120 | QTY Affected: 2                                                                                                                                                                                                                                                               |  | MRB (QSI042)                                                                                                                                                                                                                                                                                                   |  | DAS 9 9-89<br>19-12-18                                                                                                                                                                                                                                                                                 |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |                 | Disposition                                                                                                                                                                                                                                                                   |  | Completed By                                                                                                                                                                                                                                                                                                   |  | Lead hand / Supervisor                                                                                                                                                                                                                                                                                 |  |
| I put the part in the wrong side<br>So the hole are at the wrong place<br>Missing Mark                                                                                                                                                                                                                                                                                                  |                 | Scrap and Destroy<br>* we modify the folio for the next job                                                                                                                                                                                                                   |  | M.M.<br>19/12/13                                                                                                                                                                                                                                                                                               |  | QC / QA Coordinator<br>DAS 9 9-89<br>19-12-18                                                                                                                                                                                                                                                          |  |
| Root Cause<br>Operator <input checked="" type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                 | Pressure/Forced<br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabelled <input type="checkbox"/>        |  | Contamination<br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input checked="" type="checkbox"/><br>Fit/Function <input type="checkbox"/> |  | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/> |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                          |                 | Fault Category<br>Positioned Wrong <input checked="" type="checkbox"/><br>Outside Tolerance <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Misread <input type="checkbox"/> |  |                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                        |  |